

What is claimed is:

1. An electrical connector having a housing accommodating a plus signal terminal and a minus signal terminal, the connector comprising:

5 a first ground terminal corresponding to the plus signal terminal and a second ground terminal corresponding to the minus signal terminal, the first and second ground terminals accommodated in the housing.

10 2. The connector according to claim 1 wherein each of the plus signal terminal, the minus signal terminal, the first ground terminal, and the second ground terminal is positioned at each corner of a quadrangle in a transverse section of the connector.

15 3. The connector according to claim 1 wherein the connector includes a plurality of terminal sets each having the plus signal terminal, the minus signal terminal, the first ground terminal, and the second ground terminal.

20 4. The connector according to claim 3 wherein the plus signal terminals and the minus signal terminals are positioned in a row in a transverse section of the connector, and the first ground terminals and the second ground terminals are positioned
25 in another row in the transverse section of the connector.

5. The connector according to claim 3 wherein the plus and minus signal terminals of one of the sets are positioned in line with the first and second ground terminals of a next one of the sets to be put in a row in a transverse section of the connector.

5

6. The connector according to claim 3 wherein a distance between the plus signal terminal and the first ground terminal is shorter than a distance between the minus signal terminal and the first ground terminal, while a distance between the minus signal terminal and the second ground terminal is shorter than a distance between the plus signal terminal and the second ground terminal.

10

7. The connector according to claim 1 wherein the plus signal terminal, the minus signal terminal, the first ground terminal, and the second ground terminal are parallel with each other along a longitudinal direction of the connector and are positioned in a row in a transverse section of the connector.

15

8. The connector according to claim 7 wherein the first ground terminal, the plus signal terminal, the minus signal terminal, and the second ground terminal are arranged sequentially in the transverse section of the connector.

20

9. The connector according to claim 1 wherein each of the plus signal terminal, the minus signal terminal, the first

25

ground terminal, and the second ground terminal has a first electrical contact portion positioned at one end for electrical connection to an associated terminal and a second electrical contact portion positioned at the other end for electrical connection to a circuit arranged on a printed circuit board. The connector comprises a retainer body received in the connector housing for retaining the plus signal terminal, the minus signal terminal, the first ground terminal, and the second ground terminal, the four terminals each embedded in the retainer body at an intermediate portion of the terminal between the first and second electrical contact portions, the retainer body made of an insulating synthetic resin material.

10. The connector according to claim 1 wherein the first and second ground terminals are connected to a common earth line of an associated cable.